

STTR FY05 PH II By Company

COMPANY	TOPIC	TITLE
Activity Research Services	A04-T025	Automated Behavioral Health Triage
AdveNSys, LLC	A04-T009	Neuromorphic Control System for Powered Limb Splints
Agave BioSystems, Inc.	A04-T028	Portable Cell Maintenance System
ALTAIR Center, LLC.	A04-T015	Terahertz-Frequency Lasers based on Semiconductor Nanocrystals
ANP Technologies, Inc.	A04-T022	Multitple Bio-Agent Detection with Low-cost Nanomaterial-based Devices
Applied Spectra	A04-T011	Nanoscale Chemical Analysis using Laser-Induced Breakdown Spectroscopy (nano-LIBS)
AuSIM, Inc.	A04-T013	Biologically Inspired Acoustic Source Localization System
Biophotonic Solutions Inc.	A04-T008	Fast Laser Pulse Shaping for Molecular Control and CB Detection
CHI Systems, Inc.	A04-T001	Terrain Analysis for Human-Robot Interaction (TAH-RI)
Defense Life Sciences, LLC	A04-T019	Tactical Biorefinery for Forward Fuel Production
Dendritech, Inc.	A04-T024	Highly Robust, Temperature-Stable, Nano-structured Fluoropolymers for Battlefield Resuscitation Applications
Echo Technical	A04-T010	Isothermally Amplified Proximity Ligation Assays for Biothreat Agents
Fractal Systems, Inc.	A04-T010	Direct Toxin-Specific Biowarfare Detector
George, Gabel and Conners Imaging Systems, Inc.	A04-T005	Imaging Infrared System with Extended Depth of Field Focusing
Lynntech, Inc.	A04-T021	Novel Material for Capture and Spectral Detection of Hazardous Vapors
MP Technologies, LLC	A04-T012	Optimization of Strain Balanced Heterostructures for High Power 4-5 Micron Quantum Cascade Lasers
NanoLab, Inc.	A04-T007	Nanostructured Thermoelectric Composites
NAVSYS Corporation	A04-T026	GPS-Based Tracking System for Trauma Patients
Nuvera Biosciences, Inc.	A04-T020	A Metabolomic Framework in Predicting Optimal Fitness and Performance
Proteus Optics LLC	A04-T008	Fast Laser Pulse Shaping for Molecular Control and CB Detection
Quantum Applied Science and Research Inc.	A033-T17	Wearable Electrophysiologic Sensor Suite for Detection of Neurotoxic Effects
Rural Technologies, Inc	A04-T027	Development of Bioassays for Prion Infectivity Using Human, Deer, or Elk Cells
Schafer Corporation	A04-T016	Smooth, Piecewise-Polynomial Terrain Representation Using Nontraditional Metrics
SDS International, Inc.	A04-T002	Joint Visualization Module (JVM) for Enhanced Human-Computer Capabilities (Human-Computer Visualization)
Seismic Isolation Engineering, Inc.	A04-T023	Further Development of Innovative Shape Memory Alloy Connections and Dampers for Frame Structures Under Extreme Loading: Design Methodologies and Full-Scale Testing
Synkera Technologies Inc.	A04-T004	Metal-Organic Framework Adsorbents for Fuel Cell - Relevant Small Molecules
Ultra-Scan Corporation	A04-T017	High Confidence Multimodal Biometric System